

KOVYLKINO SA-5 EQUIPMENT CHECKOUT INSTALLATION USSR

MARCH 1970

COPY **118** 5 PAGES

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GROUP 1: EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

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BASIC DESCRIPTION

Operations Area

The operations area serves as an electronics checkout area for several integrated components of the SA-5 surface-to-air missile system. Specifically, the SQUARE PAIR engagement radar is checked out in conjunction with a group of SA-5 missile launchers. Similar operations involving SA-2 and SA-3 equipment probably are performed in the SAM marshalling area, Kapustin Yar Missile Test Center.

The operations area (Figure 2) is triple secured and comprises approximately 212.4 hectares (525 acres). It contains two long parallel east-northeast/west-southwest concrete aprons, designated areas A and B.

Area A

Operations area A is utilized to check out the SQUARE PAIR radar. It contains a concrete apron,

An equipment storage apron is attached to the northeastern side of the large apron. An administration building, a drive-in storage building, and seven additional support buildings are positioned along the northern side of the large apron.

The large concrete apron is divided into three functional areas (A1, A2, and A3). Each of the three areas contains several SQUARE PAIR radars, guidance control vans, and generators. The SQUARE PAIR radars in each group are cable connected to a central cable conduit which extends to a group of SA-5 launchers in operations area B. Areas A1, A2, and A3 are served by three radar calibration towers located in the eastern portion of the operations area. A fourth radar calibration tower is located immediately west of operations area B.

Additionally, 49 SA-5 launchers are parked on the equipment storage apron north of area A1 and numerous vehicles and equipment are observed immediately north of area A2.

Area B

Operations area B serves as an SA-5 launcher checkout area. It is positioned southeast of area A. This distance corresponds to the distance separating the launch area from the tracking and guidance facility at a typical deployed SA-5 launch complex.

Operations area B consists of a concrete apron,

Three smaller aprons, approximately 50 by 43 meters (164 by 141 feet), are attached to the southern side of the large apron. Operations area B is also divided into three functional areas (B1, B2, and B3). Each of the three areas contains 30 SA-5 missile launchers. Area B2 contains one additional SA-5 launcher. Each group of 30 launchers is subdivided into five groups of six launchers. In most instances, a guidance control van and at least one generator are associated with each group. Each group is probably cable connected to the central cable conduit which originates from a corresponding group of SQUARE PAIR radars in operations area A.

A gable-roofed building and two unidentified structures are south of areas B1, B2, and B3. Additionally, two buildings and an unidentified structure are located along the security fence, immediately east of area B.

Support Facilities

The installation's support elements include a support and housing area, a rail transloading area, and a small motor pool. The support and housing area is approximately 1,524 meters (5,000 feet) northwest of the operations area. It includes four multistory barracks, a T-shaped administration building, and nine additional support buildings. A rail transloading area is southwest of the support and housing area. It includes five terminal rail spurs and a warehouse. A large overhead crane straddles the two easternmost rail spurs. A small motor pool is approximately 762 meters (2,500 feet) west of the support and housing area. It contains a vehicle storage building and four support buildings.

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DEFENDANCE	
REFERENCES	
MAPS OR CHARTS	J
ACIC. US Air Target Chart, Series 200, Sheet M0166-13HL, 3d ed, Oct 67, scale 1:200,000 (SECRET/	
OCUMENTS	
1. NPIC. Kovylk in a Unidentified Installation, USSR, Nov 68 (TOP SECRET RUFF)	
REQUIREMENT	
NPIC Project 143251NA	

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